NAVIGATING A UAV WITH A REMOTE CONTROL DEVICE

35   ABSTRACT

Navigating a UAV, including receiving in a remote control device a user's selection

of a GUI map pixel that represents a waypoint for UAV navigation, the pixel having a

location on the GUI; mapping the pixel's location on the GUI to Earth coordinates of

40   the waypoint; receiving a starting position from a GPS receiver on the UAV;

calculating a heading in dependence upon the starting position, the coordinates of the

waypoint, and a navigation algorithm; identifying flight control instructions for flying

the UAV on the heading; and transmitting the flight control instructions from the

remote control device to the UAV.

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